

INTRODUCTION

EnSight supports files in the UNIVERSAL (.univ) format as written from Fluent (a commercial CFD solver). Note that other solvers from Fluent, Inc. (notably Fluent UNS and RAMPANT) will directly output **EnSight 5** format files (from the CORTEX interface).

Reading data into EnSight is a two-step process. First, the appropriate files are selected. This step is largely the same regardless of the format of the data being read. Second, parts are constructed using an interface that is specific to the applicable data format. This article covers the second step for Fluent data. See [How To Read Data](#) for more information on selecting the appropriate files.

Fluent datasets consist of the following files. Note that the entry in the File Name column is only a suggestion – it typically does not matter to EnSight what the actual file name is.

| File | File Name | Notes | Required? |
|----------|-----------|---|-----------|
| Geometry | file.univ | Contains coordinates, element connectivity, and variables | required |

BASIC OPERATION

After you have specified the appropriate data files with the File Selector (opened with File > Data (Reader)... as discussed in [How To Read Data](#)) and clicked Okay, the Data Part Loader (FLUENT) dialog will open. You use this dialog to build the desired parts. To build parts for Fluent UNIVERSAL format data:

1. If the Data Part Loader dialog is not open, select File > Data (Part Loader)...

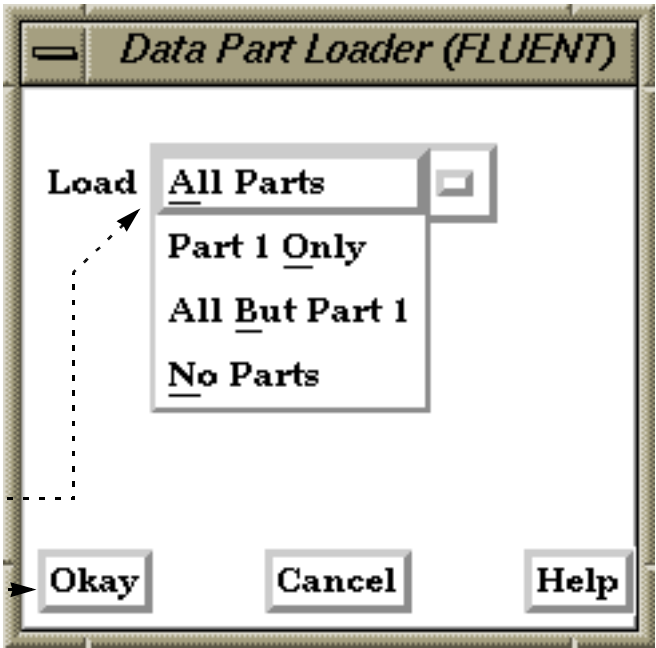
All parts defined in the .univ file will be loaded to the EnSight server. However, you have a choice for the initial visual representation of some parts as displayed on the client. The choice is made with the Load pull-down:

- All Parts: all parts are loaded to the client in the default visual representation (typically 3D Border, 2D Full).
- Part 1 Only: Only the first part is loaded to the client in the default visual representation. The other parts will have the NonVisual representation.
- All But Part 1: All parts *other* than part 1 are loaded to the client in the default visual representation. Part 1 will be NonVisual.
- No Parts: No parts are loaded to the client (*i.e.* the representation of all parts is set to NonVisual).

Note that you can easily change the visual representation of a part at any time. See [How To Change Visual Representation](#) for more information.

2. Select the desired Load option.

3. Click Okay.



ADVANCED USAGE

The UNIVERSAL file provides all required information for a steady-state case. For transient data, a UNIVERSAL file is required for each time step, as well as a standard EnSight results file providing time and variable information.



OTHER NOTES

You can reopen the Data Part Loader dialog at any time to build additional parts. Simply select File > Data Part Loader)... and build the desired parts as described above.

SEE ALSO

[How To Read Data](#)

User Manual: [FLUENT UNIVERSAL Reader](#)